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AN EVALUATION OF SPACE ACQUIRED DATA AS A TOOL FOR MANAGEMENT
OF WILDLIFE HABITAT IN THE STATE OF ALASKA

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Type I Progress Report for Period 1 May 1973 - 31 August 1973

Prepared for:

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E73-11030) AN EVALUATION OF SPACE
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Wildlife

Type I Progress Report
ERTS-A

- a. Title: An Evaluation of Space Acquired Data as a Tool for Management of Wildlife Habitat in the State of Alaska

ERTS-A Proposal No.: SR 235

- b. GSFC ID No. of P. I.: IN 051

- c. Statement and explanation of any problems that are impeding the progress of the investigation:

The Alaska ERTS experiment is now awaiting data processing, analysis, and interpretation, which must await the last ERTS pass before the close of summer in the Yukon-Kuskokwin Delta (approximately September 30).

- d. Discussion of accomplishments during the reporting period and those planned for the next reporting period:

Navy Recon Squadron, VQ-1 assigned to Alaska during July and August acquired multispectral photography using an I²S camera over the following sites:

1. Yukon-Kuskokwin Delta
2. Copper River Delta
3. Bonanza Creek Burn Area
4. Wickersham Dome Area
5. Barter Island to Cross Island
6. Barter Island to Peter's and Shafer Lakes
7. Kobuks to Selawik Lake
8. Kenai Moose Range/Chickaloon Flats
9. Yukon Flats
10. Fort Greeley Area

All sites were flown at 3,000 and 30,000 feet AGL. RS-14 thermal scanner imagery (8-14 microns) was obtained over several sites designated by the Office of Naval Research. It appears that the mission was 95% successful in acquiring these data. During the next reporting period data review and contractual arrangements for data analysis will be made.

- e. Discussion of significant scientific results and their relationships to practical applications or operational problems including estimates of the cost benefits of any significant results (To be prepared in scientific abstract form of 200 words or less);

Nothing to report.

- f. A Listing of published articles, and/or papers, pre-prints, in-house reports, abstracts of talks, that were released during the reporting period:

Nothing to report.

- g. Recommendation concerning practical changes in operations, additional investigative effort, correlation of effort and/or results as related to a maximum utilization of the ERTS system.

Nothing to report.

- h. A listing by date of any changes in Standing Order Forms:

No changes.

- i. ERTS Image Descriptor forms:

No changes.

- j. Listing by date of any changed Data Request forms submitted to Goddard Space Flight Center/NDPF during the reporting period:

None submitted.

- k. Status of Data Collection Platforms (if applicable):

Not applicable.